

CLAIMS

What is claimed is:

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1. A method for management of a distributed data processing system, the method comprising:

configuring geographic location information for resources within the distributed data processing system;

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identifying router systems within the distributed data processing system;

determining a set of router systems that are closest to a geographic boundary; and

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generating a geographic router boundary resource for the set of router systems.

2. The method of claim 1 further comprising:

associating two or more geographic router boundary resources to create a secure boundary between two or more geographic regions.

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3. The method of claim 1 further comprising:

configuring user security parameters for controlling access to the geographic router boundary resource.

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4. The method of claim 1 further comprising:

authorizing user access to the geographic router boundary resource based on a user security parameter corresponding to the geographic location information.

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5. The method of claim 1 further comprising:

authorizing user access to resources within a geographic region as indicated by the geographic router boundary resource based on a user security parameter corresponding to the geographic location information.

6. The method of claim 1 further comprising:

quarantining a set of devices within a geographic region as indicated by the geographic router boundary resource.

7. The method of claim 6 further comprising:

unquarantining a set of devices within a geographic region.

8. The method of claim 1 further comprising:

disinfecting a set of devices within a geographic region as indicated by the geographic router boundary resource.

9. The method of claim 1 further comprising:

dynamically discovering endpoints, systems, and
networks within the distributed data processing system;
correspondingly representing endpoints, systems, and
5 networks within the distributed data processing system as
a set of endpoint objects, system objects, and network
objects; and

logically organizing the endpoint objects, system
objects, and network objects within a set of scopes,
10 wherein each endpoint object, each system object, and
each network object is uniquely assigned to a scope such
that scopes do not logically overlap.

10. The method of claim 1 further comprising:

15 representing the distributed data processing system
as a set of scopes, wherein a scope comprises a logical
organization of network-related objects;

associating each scope with a management customer,
wherein each scope is uniquely assigned to a management
customer, wherein each scope is uniquely associated with
20 a set of configuration parameters for managing each
scope;

managing the distributed data processing system as a
set of logical networks, wherein a logical network
25 comprises a set of scopes, and wherein each logical
network is uniquely assigned to a management customer;
and

allowing an administrative user to dynamically
reconfigure logical networks within the distributed data
30 processing system.

11. An apparatus for management of a distributed data processing system, the apparatus comprising:

means for configuring geographic location information for resources within the distributed data processing system;

means for identifying router systems within the distributed data processing system;

means for determining a set of router systems that are closest to a geographic boundary; and

means for generating a geographic router boundary resource for the set of router systems.

12. The apparatus of claim 11 further comprising:

means for associating two or more geographic router boundary resources to create a secure boundary between two or more geographic regions.

13. The apparatus of claim 11 further comprising:

means for configuring user security parameters for controlling access to the geographic router boundary resource.

14. The apparatus of claim 11 further comprising:

means for authorizing user access to the geographic router boundary resource based on a user security parameter corresponding to the geographic location information.

15. The apparatus of claim 11 further comprising:
means for authorizing user access to resources
within a geographic region as indicated by the geographic
router boundary resource based on a user security
5 parameter corresponding to the geographic location
information.

16. The apparatus of claim 11 further comprising:
means for quarantining a set of devices within a
10 geographic region as indicated by the geographic router
boundary resource.

17. The apparatus of claim 16 further comprising:
means for unquarantining a set of devices within a
15 geographic region.

18. The apparatus of claim 11 further comprising:
means for disinfecting a set of devices within a
geographic region as indicated by the geographic router
20 boundary resource.

19. The apparatus of claim 11 further comprising:
means for dynamically discovering endpoints,
systems, and networks within the distributed data
25 processing system;

means for correspondingly representing endpoints,
systems, and networks within the distributed data
processing system as a set of endpoint objects, system
objects, and network objects; and

means for logically organizing the endpoint objects, system objects, and network objects within a set of scopes, wherein each endpoint object, each system object, and each network object is uniquely assigned to a scope such that scopes do not logically overlap.

20. The apparatus of claim 11 further comprising:

means for representing the distributed data processing system as a set of scopes, wherein a scope comprises a logical organization of network-related objects;

means for associating each scope with a management customer, wherein each scope is uniquely assigned to a management customer, wherein each scope is uniquely associated with a set of configuration parameters for managing each scope;

means for managing the distributed data processing system as a set of logical networks, wherein a logical network comprises a set of scopes, and wherein each logical network is uniquely assigned to a management customer; and

means for allowing an administrative user to dynamically reconfigure logical networks within the distributed data processing system.

21. A computer program product in a computer readable medium for use in managing a distributed data processing system, the computer program product comprising:

instructions for configuring geographic location
5 information for resources within the distributed data processing system;

instructions for identifying router systems within the distributed data processing system;

instructions for determining a set of router systems
10 that are closest to a geographic boundary; and

instructions for generating a geographic router boundary resource for the set of router systems.

22. The computer program product of claim 21 further comprising:

instructions for associating two or more geographic router boundary resources to create a secure boundary between two or more geographic regions.

23. The computer program product of claim 21 further comprising:

instructions for configuring user security parameters for controlling access to the geographic router boundary resource.

24. The computer program product of claim 21 further comprising:

instructions for authorizing user access to the geographic router boundary resource based on a user security parameter corresponding to the geographic location information.

25. The computer program product of claim 21 further comprising:

instructions for authorizing user access to
5 resources within a geographic region as indicated by the
geographic router boundary resource based on a user
security parameter corresponding to the geographic
location information.

10 26. The computer program product of claim 21 further comprising:

instructions for quarantining a set of devices
within a geographic region as indicated by the geographic
router boundary resource.

15 27. The computer program product of claim 26 further comprising:

instructions for unquarantining a set of devices
within a geographic region.

20 28. The computer program product of claim 21 further comprising:

instructions for disinfecting a set of devices
within a geographic region as indicated by the geographic
25 router boundary resource.